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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/687,502	10/15/2003	Cropper S. Michael	END5008USCIP1	9047
27777	7590	03/11/2010		
PHILIP S. JOHNSON JOHNSON & JOHNSON ONE JOHNSON & JOHNSON PLAZA NEW BRUNSWICK, NJ 08933-7003			EXAMINER ANDERSON, MICHAEL J	
			ART UNIT	PAPER NUMBER
			3767	
			NOTIFICATION DATE	DELIVERY MODE
			03/11/2010	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary

Application No.

10/687,502

Applicant(s)

MICHAEL ET AL.

Examiner

MICHAEL J. ANDERSON

Art Unit

3767

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 December 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 25-36 and 38-40 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 25-36 and 38-40 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ ~~Notice of Informal Patent Application~~
- 6) ☐ Other: _____

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 12/21/2009 has been entered.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 25-36 and 38-40 are rejected under 35 U.S.C. 102(b) as being anticipated by Green (US 6,569,120).

With regards to claim 25, Green discloses (figures 1-20) a surgical access device, comprising a seal assembly having a plurality of separate semicircular seal segments (36) arranged in a conical shape (figure 5), each seal segment having a circumference greater than 180 degrees and being adapted to seal against objects positioned through the seal (figure 4, column 4, lines 50-59; column 10, lines 11-17); and a zero closure seal (84) spaced from and aligned with the seal segments.

With regards to claim 26, Green discloses (figures 1-20) the surgical access device of claim 25 wherein said seal assembly has an outer perimeter which is attached to a flotation means (12).

With regards to claim 27, Green discloses (figures 1-20) the surgical access device of claim 25 wherein said seal assembly includes a plurality of protectors (24, 70) disposed proximal to said plurality of separate semicircular seal segments.

With regards to claim 28, Green discloses (figures 1-20) the surgical access device of claim 25 wherein said plurality of separate semicircular seal segments are disposed such that there is a substantially centrally located aperture in said seal assembly (figures 4, 5 and 8).

With regards to claim 29, Green discloses (figures 1-20) the surgical access device of claim 25, further comprising a cannula (14).

With regards to claim 30, Green discloses (figures 1-20) a trocar for performing a procedure on a patient, said trocar comprising: a. a hollow cannula (14) having a distal end and a proximal end; b. a housing (12) having a distal end attached to said proximal end of said cannula (figure 5) and a proximal end having a wall (at 12b, figure 5) attached thereto, said wall having an aperture therethrough; c. a seal assembly disposed within said housing comprising a first substantially rigid ring (16, 64, 70, and 152), a second substantially rigid ring (18, 96, 154), and a plurality of semicircular elastomeric members compressed therebetween and forming a conical shape (column 10, lines 11-17), the elastomeric members circumscribing an aperture in an interwoven pattern (column 5, lines 40-46) and cooperate to sufficiently seal against objects

positioned within the aperture to maintain gas pressure in the abdominal cavity during endoscopic surgical procedures (column 4, lines 50-59); and wherein the seal assembly further comprises a zero closure seal (84) disposed distally of the plurality of semicircular elastomeric members.

With regards to claim 31, Green discloses (figures 1-20) the trocar according to claim 30 wherein said elastomeric members comprise a proximal flange portion, and an inwardly extending portion extending distally therefrom, wherein said proximal flange portions are disposed between and are abutting against said rings (70, 96).

With regards to claim 32, Green discloses (figures 1-20) the trocar according to claim 30 wherein said plurality of elastomeric layers are interwoven (column 5, lines 40-46).

With regards to claim 33, Green discloses (figures 1-20) the trocar according to claim 30 wherein said plurality of elastomeric members have a non-planar shape prior to **be** assembled together (figure 2).

With regards to claim 34, Green discloses (figures 1-20, as for claim 30 above) a trocar for performing a procedure on a patient, said trocar comprising: a. a hollow cannula having a distal end and a proximal end (14); b. a housing (12) having a distal end attached to said proximal end of said cannula (figure 5) and a proximal end having a wall attached thereto, said wall having an aperture therethrough; c. an instrument seal assembly disposed within said housing comprising a plurality of layered elastomeric members arranged circumferentially about an aperture in an alternating over and under pattern (column 5, lines 40-46) and forming a conical shape (column 10, lines 1-17), the

plurality layered elastomeric members cooperating to provide a substantially gas-tight seal against instruments positioned through the aperture (column 4, lines 50-59); and wherein the instrument seal assembly further provides a zero-closure seal (84) spaced from the plurality of layered elastomeric members arranged about the aperture.

With regards to claim 35, Green discloses (figures 1-20) the seal of claim 34, wherein the elastomeric members are semicircular (figure 2).

With regards to claim 36, Green discloses (figures 1-20) the seal of claim 35, wherein the elastomeric members have a circumference between 180 to 270 degrees (figure 2).

With regards to claim 38, Green discloses (figures 1-20) the seal of claim 34, wherein the elastomeric members are arranged in non-planar shape (figures 2 and 4).

With regards to claim 39, Green discloses (figures 1-20) the seal of claim 34, wherein the instrument seal assembly comprises four elastomeric members (20, 40, 48, 110).

With regards to claim 40, Green discloses (figures 1-20) the seal of claim 34, further comprising a first substantially rigid ring (70) and a second substantially rigid ring (96), the elastomeric members being compressed therebetween.

Response to Amendment

The present communication responds to the Amendment of 12/21/2009.
By this communication, claims 25, 30 and 34 were amended and claim 37 was

canceled. The amendments did not add new matter. Claims 25-36 and 38-40 are pending. The rejection(s) are as stated.

Response to Arguments

Applicant's arguments with respect to claims 25-36 and 38-40 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MICHAEL J. ANDERSON whose telephone number is (571)272-2764. The examiner can normally be reached on M-F 6:30 am to 3:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin C. Simons can be reached on (571) 272-4965. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Michael J Anderson/
Examiner
Art Unit 3767

MJA
2/18/2010
/Kevin C. Sirmons/
Supervisory Patent Examiner, Art Unit 3767